



ATTY. DOCKET NO. VOY/026

Applicant: Galarza et al.

Art Unit: 2663

Serial No.: 09/710,718

Examiner: Min Jung

Filed: November 10, 2000

For: METHOD AND APPARATUS FOR CHARACTERIZATION OF DISTURBERS
IN COMMUNICATION SYSTEMS

COPY of PTO-1449 filed on September 28, 2001 with new markings to show changes made and including 16 of the listed references as requested by Examiner in Office Action dated July 19, 2004.

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



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Substitute For Form 1449A/PTO (Modified 5-19-2000) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>	
		Application No	09/710,718
		Filing Date	November 10, 2000
		First Named Inventor	Cecilia Gabriela Galarza et al.
		Group Art Unit	2631
		Examiner Name	Unassigned
Sheet 4 of 9		Attorney Docket Number	001340.P077

U.S. PATENT DOCUMENTS

Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate

FOREIGN PATENT DOCUMENTS

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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

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	LENNART LJUNG, Prentice-Hall Information and System Sciences Series, "System Identification, Theory for the User", 1987, pp 141-163, 239-263.	No
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	International Telecommunication Union, ITU T Telecommunication Standardization Sector of ITU, G.810, "Definitions and Terminology for Synchronization Networks", August 1996, pp 1-20	No
	ADSL Forum Technical Report TR-024 for Network Management Working Group, "DMT Line Code Specific MIB", June 1999, pp 1-7	No

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Sheet 1 of 9

U.S. PATENT DOCUMENTS

Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate
	6,195,594	Shah et al.	February 27, 2001	June 30, 1999
	5,880,959	Shah et al.	March 9, 1999	November 25, 1997
	6,230,062	Shah	May 8, 2001	June 30, 1999

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	LENNART LJUNG, IEEE Transactions on Automatic Control, Vol. AC-23, No. 5, October 1978, "Convergence Analysis of Parametric Identification Methods", pp 770-783.	No
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	GUANGHAN XU et al., IEEE Transactions on Signal Processing, Vol. 43, No. 12, December 1995, "A Least Squares Approach to Blind Channel Identification", pp 2982-2993.	No
	ALEXANDRA DUEL-HALLEN et al., IEEE Transactions on Communications, Vol. 37, No. 5, May 1989, "Delayed Decision-Feedback Sequence Estimation", pp 428-436.	No

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	K. GIRIDHAR et al., IEEE Transactions on Communications, Vol. 45, No. 4, April 1997, "Nonlinear Techniques for the Joint Estimation of Cochannel Signals", pp 473-484.	No
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	ALEXANDRA DUEL-HALLEN et al., IEEE Personal Communications, April 1995, "Multiuser Detection for CDMA Systems", pp 46-58.	No

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application No	09/710,718
Filing Date	November 10, 2000
First Named Inventor	Cecilia Gabriela Galarza et al.
Group Art Unit	2631
Examiner Name	Unassigned
Attorney Docket Number	001340.P077

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	UPAMANYU MADHOW et al., IEEE Transactions on Communications, Vol. 42, No. 12, December 1994, "MMSE Interference Suppression for Direct-Sequence Spread-Spectrum CDMA" pp 3178-3188	No
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	P. CIBLAT et al., "Asymptotic Analysis of Blind Cyclic Correlation Based Symbol Rate Estimation", September 2000	No
	DR. DENNIS J. RAUSCHMAYER, Macmillan Technology Series, "ADSL VDSL Principles", 1999, pp 131-155.	No

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Substitute For Form 1419A/PTO 081 (Modified 5-19-2000)		Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application No	09/710,718	
		Filing Date	November 10, 2000	
		First Named Inventor	Cecilia Gabriela Galarza et al.	
		Group Art Unit	2631	
		Examiner Name	Unassigned	
Sheet 5 of 9	Attorney Docket Number	001340.P077		
U.S. PATENT DOCUMENTS				
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	J. CIOFFI, EEE379A, "Digital Communication: Signal Processing Class notes, Stanford University, pp 167-174, 194-197.	No		
	ARTHUR GELB et al., The Analytic Sciences Corporation, "Applied Optimal Estimation", 1974, pp 156-179.	No		
	SIMON HAYKIN, Prentice Hall Information and System Sciences Series, "Adaptive Filter Theory", Third Edition, 1996, pp 772-815.	No		
	IAN R. PETERSEN et al., Control Engineering, "Robust Kalman Filtering for Signal and Systems with Large Uncertainties", 1999, pp 35-55.	No		
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Substitute For Form 1449A/PTO (Modified 5-19-2000) NOV 19 2004 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application No	09/710,718
		Filing Date	November 10, 2000
		First Named Inventor	Cecilia Gabriela Galarza et al.
		Group Art Unit	2631
		Examiner Name	Unassigned
Sheet 6 of 9	Attorney Docket Number	001340.P077	

U.S. PATENT DOCUMENTS

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	STEPHEN BOYD et al., "Convex Optimization", Course Reader for EE364: Introduction to Convex Optimization with Engineering Applications, Stanford University, Winter Quarter 1996-1997, pp 1-146.	No
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	EDWARD A. LEE et al., Kluwer Academic Publishers, "Digital Communication", Second Edition, 1994, pp 408-424, 468-486.	No
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		Application No	09/710,718	
		Filing Date	November 10, 2000	
		First Named Inventor	Cecilia Gabriela Galarza et al.	
		Group Art Unit	2631	
		Examiner Name	Unassigned	
Sheet 7 of 9		Attorney Docket Number	001340.P077	

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	D. GODARD, IEEE Transaction Communications, Vol. COM-28, No. 11, November 1980, "Self-Recovering Equalization and Carrier Tracking in Two-Dimensional Data Communication Systems, pp 1867-1875.	No
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	JOHN G. PROAKIS, McGraw Hill Series in Electrical and Computer Engineering, "Digital Communications, Third Edition, 1996, pp 267-286.	No
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		Application No	09/710,610	
		Filing Date	November 10, 2000	
		First Named Inventor	Tom Pare et al.	
		Group Art Unit	2121	
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	HARRY L. VAN TREES, Massachusetts Institute of Technology, "Detection, Estimation, and Modulation Theory", 1968, pp 10-163, 239-418.	

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